



ONE DAY ARCHITECTURE & DESIGN SESSION (ADS)

Cloud adoption is challenging for most enterprises. With the proliferation of cloud services and approaches, internal cloud adoption teams are easily distracted, losing sight of the original business objectives to move to the cloud. IT organizations are unprepared to operate applications on the public cloud as the technical skills gap grows. Often, organizations struggle to develop a governance structure, and security models for their public cloud adoption and the rapidly changing cloud landscape make it very difficult to evaluate approaches to migrate existing apps to the cloud.

Architecture Design Session

This customized one-day session is designed to help you develop an effective strategy for the public cloud.

- **Step 1:** Discuss business objectives and requirements to understand key motivators and drivers to move to the public cloud.
- **Step 2:** Review a framework to assess your current application portfolio based on the 5R model (Retire, Re-host, Refactor, Re-architect, Re-imagine).
- **Step 3:** Consider on-ramp guidance for the cloud, including the governance structure and a change management plan.
- **Step 4:** Provide an overview of hybrid-cloud and multi-cloud strategies as most cloud adoptions are not binary.
- **Step 5:** Review current infrastructure, including networking, and determine a plan to map these resources to the public cloud.
- **Step 6:** Discuss options for compute platforms to include VMs, containers, serverless computing, high-performance computing, and batch processing.
- **Step 7:** Address data services to include SQL, No SQL, Blobs, and data protection and management.

The goal for moving to the cloud is to convert data into insights. With artificial intelligence (AI) and machine learning (ML) capabilities of the cloud, these insights are amplified.



Session Outcomes

In this ADS session, AIS will help you develop a strategy to navigate these challenges:

- Gain a working understanding of various cloud models and services
- Set up cloud architecture boards and overall cloud governance
- Meet security and compliance standards
- Manage change
- Think through an organizational change for the cloud era

This ADS session is designed for CTOs, principal architects, senior IT directors, and key business stakeholders.

Architecture and Design Topics

The agenda will be customized based on an initial questionnaire. Below are some potential discussion topics:

- Cloud Drivers
- Application Portfolio Assessment (Cloud Fit)
- Hybrid, single and multi-cloud strategy
- Avoiding the cloud provider lock-in
- Capital Expenditures (CAPEX)
- versus Operational Expenses (OPEX)
- Meeting security and compliance requirements
- Community Clouds
- Cloud adoption across verticals
- Which cloud is your competitor running on?
- Resilience Expectation
- Change management
- Vendor/Contracts
- Infrastructure as a Service (IaaS)
 - Software defined networking and storage
 - Compute types
 - Hypervisor in the cloud
 - Hybrid connectivity / MPLS
 - Migration
 - Backup and disaster recovery
- Software as a Service (SaaS)
 - Low-code/No-code environment
 - SaaS services
 - Collaboration
 - Visualization and dashboarding
 - Pre-packed AI and ML services
- Platform as a Service (PaaS)
 - App Services
 - Containers, Kubernetes, Serverless
 - Event-driven computing
 - Database as a Service
 - Database models
 - Geo-replication and fencing
 - Performance
 - Key management
 - Open versus closed source
- Cloud Readiness
 - Skills and training
 - Governance
 - Language, tools and frameworks
 - Organizational change
 - Bi-modal IT

The outcome is a V1 of your public cloud strategy, setup a joint team with AIS to work on a “lead-horse” engagement, initial funding allocation, MSA and on-boarding requirements.

Why AIS?

For over a decade, AIS has helped large enterprises move to the cloud. Some of these enterprises are among the top consumers of cloud computing resources in the world, with allocated budgets exceeding millions of dollars for their cloud monthly spend.

Learn from our experience: Our cloud architects understand the business motivators for cloud adoption. In this session, we'll review the strengths and pitfalls of cloud computing with an “in the trenches” perspective.

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